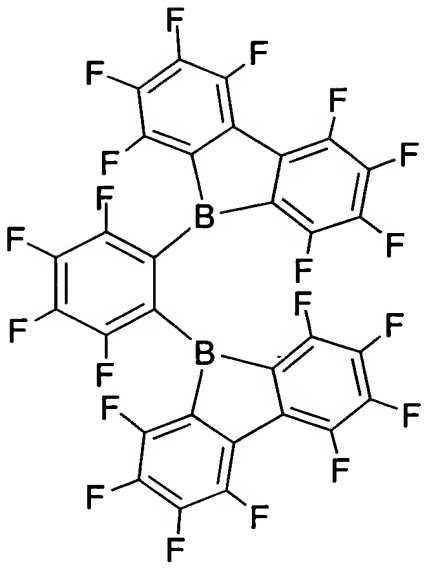


I

FIG. 1.

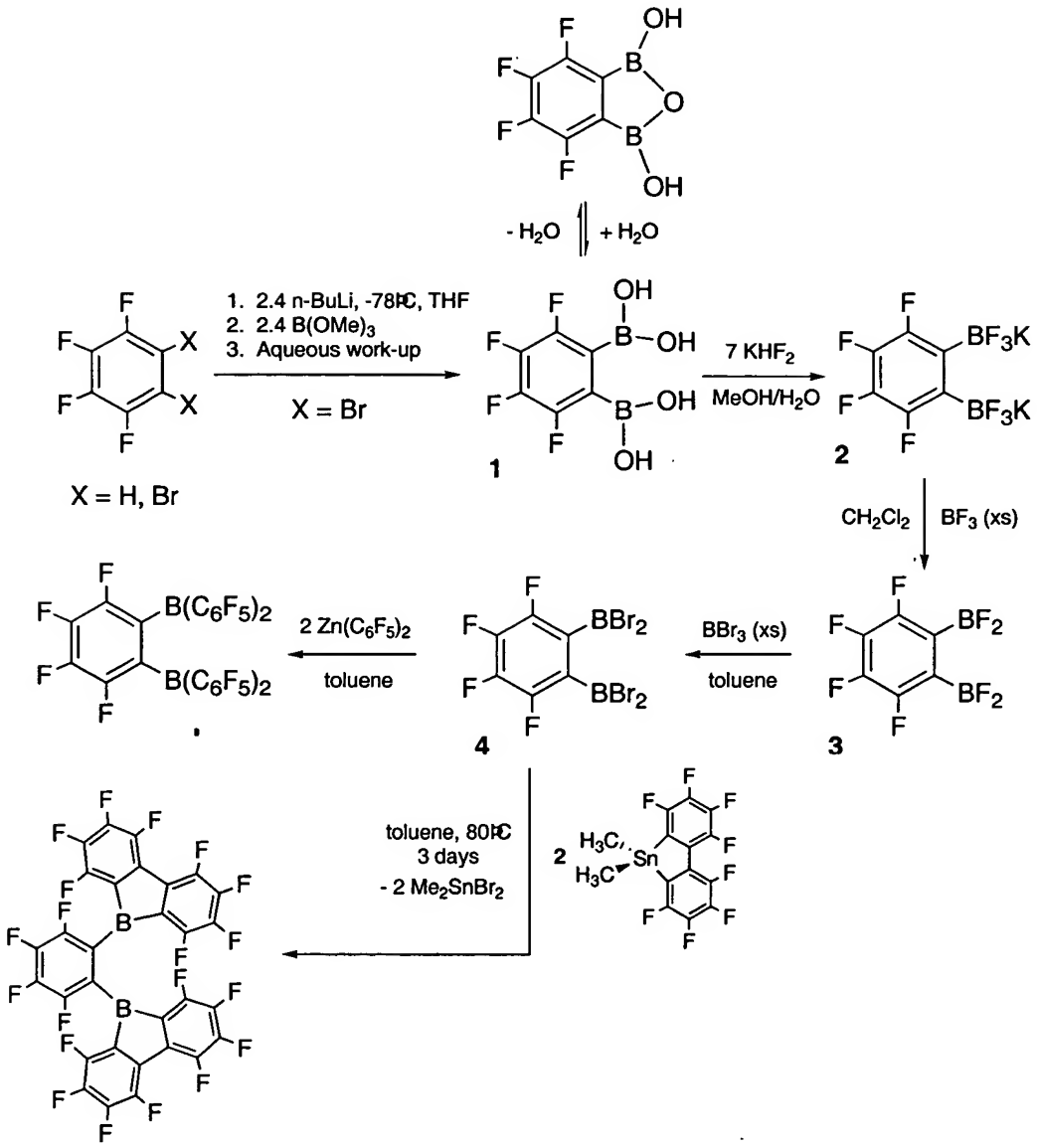
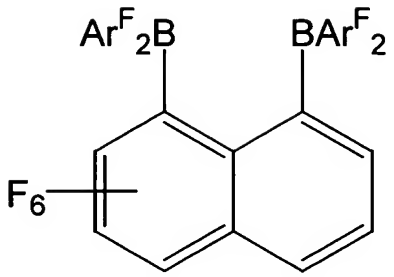
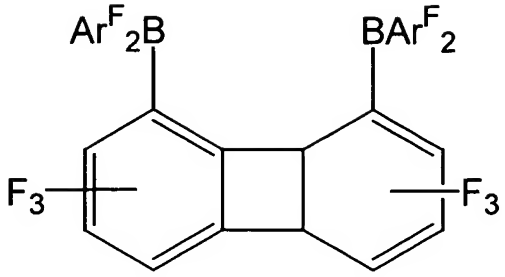

- H2O
+ H2O
1. 2.4 n-BuLi, -78ºC, THF
2. 2.4 B(OMe)3
3. Aqueous work-up
X = Br
X = H, Br
1
7 KHF2
MeOH/H2O
2
CH2Cl2
BF3 (xs)
3
BBr3 (xs)
toluene
4
2 Zn(C6F5)2
toluene
toluene, 80ºC
3 days
- 2 Me2SnBr2
2

FIG. 2.



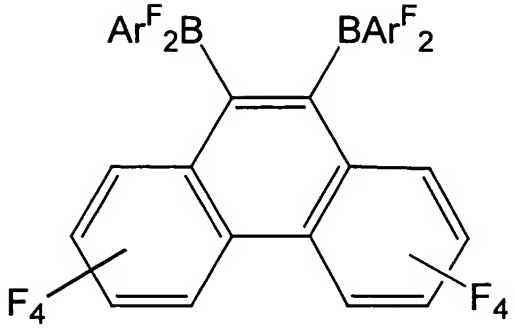
$Ar^F = C_6F_5$ or $Ar^F_2 = C_{12}F_8$

FIG. 3.



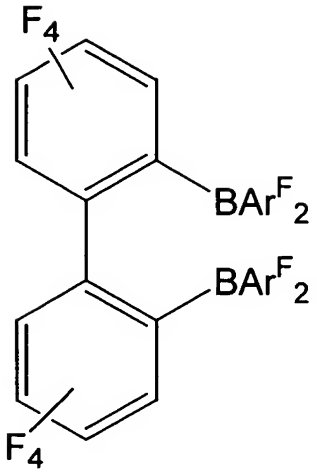
$Ar^F = C_6F_5$ or $Ar^F_2 = C_{12}F_8$

FIG. 4.



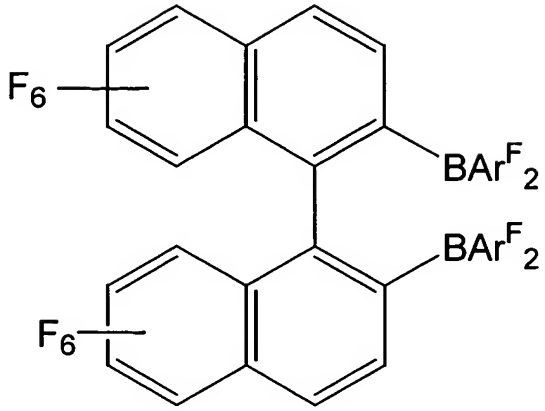
$Ar^F = C_6F_5$ or $Ar^F{}_2 = C_{12}F_8$

FIG. 5



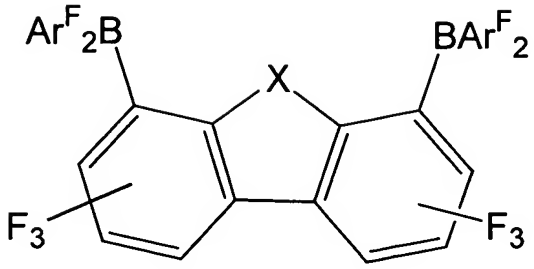
$Ar^F = C_6F_5$ or $Ar^F{}_2 = C_{12}F_8$

FIG. 6



$Ar^F = C_6F_5$ or $Ar^F{}_2 = C_{12}F_8$

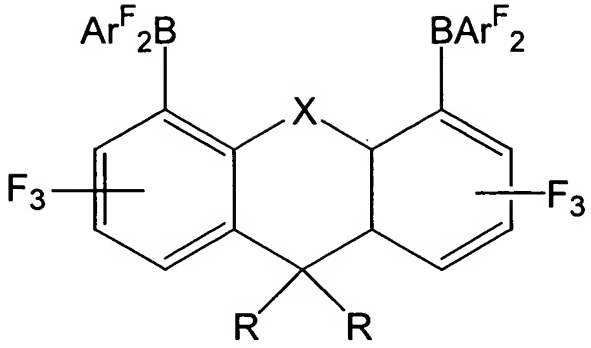
FIG. 7.



X = CH_2, NR, or O

Ar^F = C_6F_5 or Ar^F_2 = $C_{12}F_8$

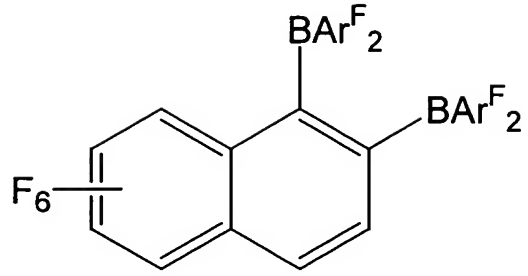
FIG. 8.



X = CH_2, NR, or O

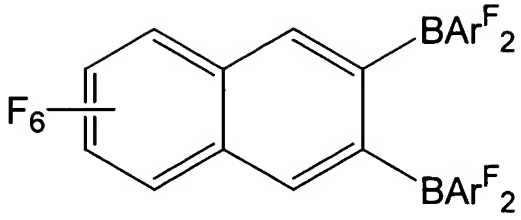
Ar^F = C_6F_5 or Ar^F_2 = $C_{12}F_8$

FIG. 9.



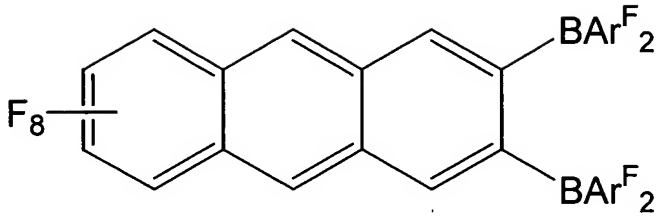
$Ar^F = C_6F_5$ or $Ar^F_2 = C_{12}F_8$

FIG. 10.



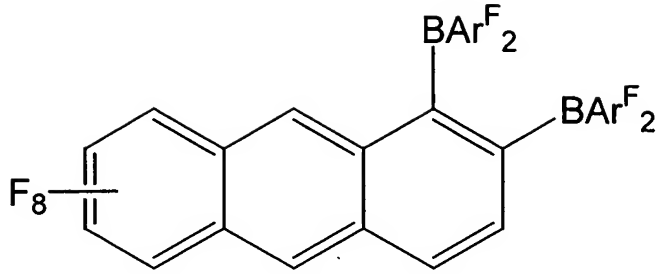
$Ar^F = C_6F_5$ or $Ar^F{}_2 = C_{12}F_8$

FIG. 11



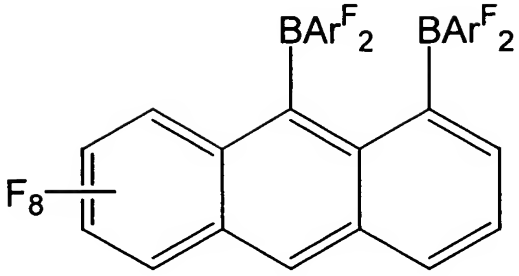
$Ar^F = C_6F_5$ or $Ar^F_2 = C_{12}F_8$

FIG. 12



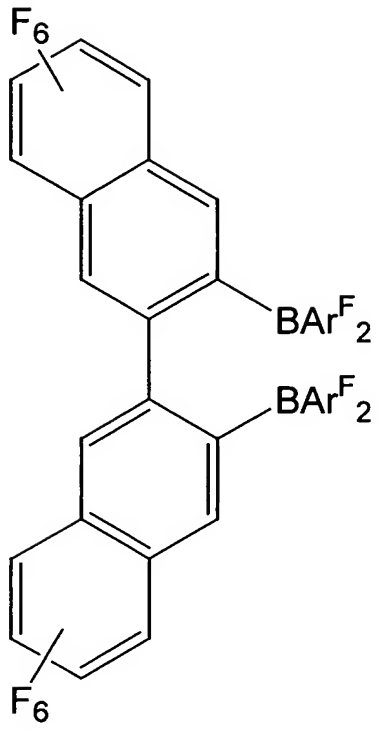
$Ar^F = C_6F_5$ or $Ar^F_2 = C_{12}F_8$

FIG. 13.



$Ar^F = C_6F_5$ or $Ar^F{}_2 = C_{12}F_8$

FIG. 14.



$Ar^F = C_6F_5$ or $Ar^F{}_2 = C_{12}F_8$

FIG. 15.